BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Providing CC Road at Kodigehalli to TATANagara Connection Road at Kodigehalli Village and Construction of Culvert at Junction of 1st Main and Handigudu Road at Bhadrappa Layout Main Road in Ward no 08, Kodigehalli Sub Division.**

							Estimate Cost:		**1300000.00**
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
			1	100.00	4.50	0.20	90.00		
			1	15.00	2.50	0.20	7.50		
	Culvert		2	5.50	2.00	1.20	26.40		
			1	15.00	2.20	1.20	39.60		
							163.50	75.60	**12361.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
			1	100.00	4.50	0.15	67.50		
			1	15.00	2.50	0.15	5.63		
	Culvert		2	5.50	2.00	0.15	3.30		
			1	15.00	2.00	0.20	6.00		
							82.43	4847.04	**399517.00**
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	**4847.04**							

No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2014-15**	Cum							
			1	100.00	4.50	0.10	45.00		
			1	15.00	2.50	0.10	3.75		
							48.75	5852.52	**285310.00**
	Basic Rate	5419.00							
	Area Weightage @8%	433.52							
	Total	**5852.52**							
4	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **171 / Item No. 22.7 / PWD SR 2014-15**	Sqm							
			1	100.00	4.50		450.00		
			1	15.00	2.50		37.50		
							487.50	97.20	**47385.00**
	Basic Rate	90.00							
	Area Weightage @8%	7.20							
	Total	**97.20**							
5	Providing groove cutting for **cement pavement** wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications **Page No. 172 / Item No. 22.8 / PWD SR 2014-15**	Rmt							
			10	4.50			45.00		
			2	2.50			5.00		
							50.00	124.20	**6210.00**
	Basic Rate	115.00							
	Area Weightage @8%	9.20							
	Total	**124.20**							

S. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
			2x2	5.50	0.60	0.90	11.88		
							11.88	4773.60	**56710.00**
	Basic Rate	4420.00							
	Area Weightage @ 8%	353.60							
	Total	**4773.60**							
7	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
			2x2	5.50		0.80	17.60		
							17.60	92.88	**1635.00**
	Basic Rate	86.00							
	Area Weightage @ 8%	6.88							
	Total	**92.88**							
8	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
	Pointing		2	5.50	1.80	0.10	1.98		
	Ramp		2x2	5.50	1.00	0.15	3.30		
							5.28	5327.64	**28130.00**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							

No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
			2	5.50	1.80	0.23	4.55		
	Bottom		1	15.00	2.00	0.20	6.00		
			2	15.00	0.30	0.90	8.10		
			1	15.00	2.00	0.25	7.50		
							26.15	6065.28	**158631.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
10	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	For Roof, Columns @ 120 Kg / Cum		1.20	26.15			**31.38**	7975.80	**250319.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
11	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			2	5.50	0.60		6.60		
			1	15.00	1.40		21.00		
			4	15.00		0.90	54.00		
			2x2	5.50		0.23	5.06		

No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			2	15.00		0.23	6.90		
			2x2	1.80		0.23	1.66		
			2	2.00		0.23	0.92		
							96.14	292.68	**28137.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
12	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**155.33**	73.57	**11427.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
13	Sub Total								**1285772.00**
14	For Third Part QC inspection Charges @ 1% of Estimate Cost								**12858.00**
15	Miscellaneous and other Charges	L/S							**1370.00**
								Total	**1300000.00**
	(Rs. Thirteen Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

D. K. Madhu Murthy
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative approval for Rs 1300000=00
Rs-Thirteen lakhs only
is accorded under head P-1771
registered as EE No: Subject to conditions contained enclosed memo.
No: ACY/AA/DK/1126/1015 Dt. 4-12-2014

AE/JE

Technical Sanction for Rs. 1300000=00
Rs-Thirteen lakhs only
Registered as EE No: 48 Dated 22/12/14 Subject to conditions contained enclosed memo.
No: 256 Dt 22/12/14

AE/JE

EE (BTP.Div.)

Hebbal Ring Road →

PPCC Road

PPCC Road

PPCC Road

PPCC Road

PPCC Road

USD

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Storm water drain

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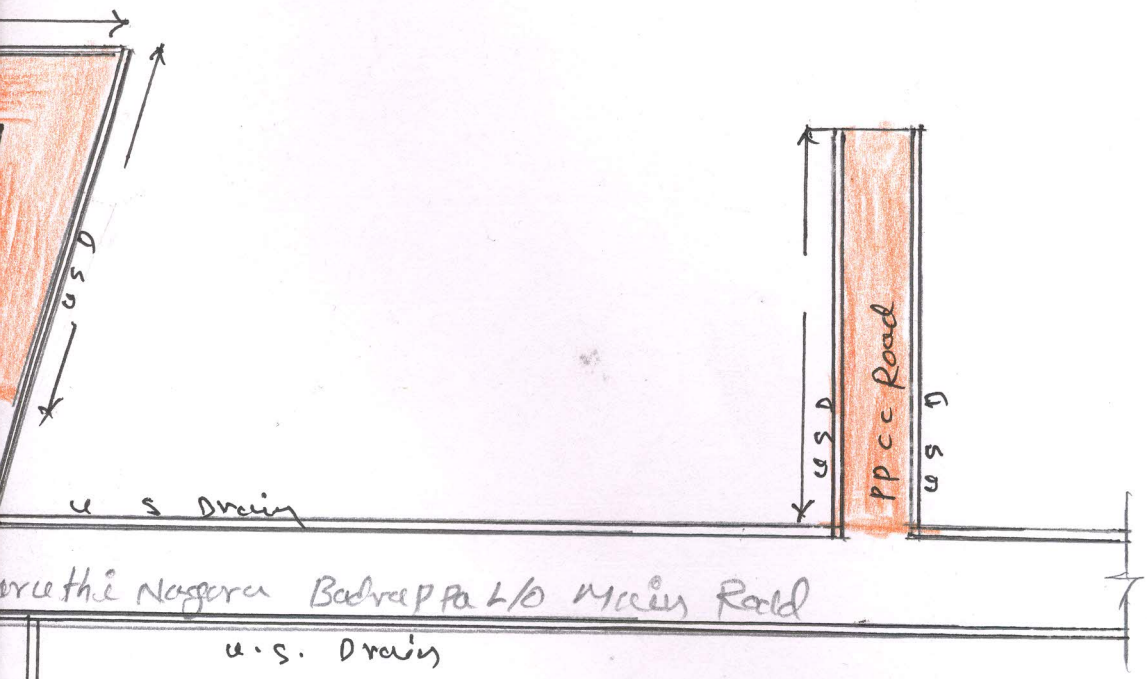

orethi Nagarea Badrappa L/O Main Road

u.s. Drain